

### Abstract

A coke oven door prevents the generation of poor-quality coke and yielding and adhesion of tar by promoting the temperature rise of coal particles (2) charged near the coke oven door of a coke oven (1). The coke oven door comprises a heat-insulating box (11) provided on the coke oven side of a oven door structure (3) adapted to open and close an opening (4) in the coke oven (1) in which the coal particles are charged, horizontal support frames (16) fitted in said heat-insulating box to vertically partition the heat-insulating box into multiple sections, and a bottom-less gas migration and isolation hollow plug (15) formed by laterally and vertically putting together removable shield bars (17) in spaces between said horizontal support frames (16) with small ventilating spaces (18) left on both sides thereof.